

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD80R900P7	**Issued**	16. May 2021
MA#	MA005401334		
Package	PG-TO252-3-342	**Weight***	334.01 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.033	0.61	0.61	6087	6087
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		144	
	non noble metal	iron	7439-89-6	0.160	0.05		480	
	non noble metal	copper	7440-50-8	160.096	47.92	47.98	479314	479938
wire	non noble metal	aluminium	7429-90-5	0.459	0.14	0.14	1374	1374
encapsulation	organic material	carbon black	1333-86-4	1.164	0.35		3486	
	plastics	epoxy resin	-	16.301	4.88		48803	
	inorganic material	silicondioxide	60676-86-0	128.078	38.35	43.58	383453	435742
leadfinish	non noble metal	tin	7440-31-5	3.740	1.12	1.12	11197	11197
plating	non noble metal	nickel	7440-02-0	0.523	0.16	0.16	1567	1567
solder	non noble metal	tin	7440-31-5	0.044	0.01		132	
	noble metal	silver	7440-22-4	0.055	0.02		165	
	non noble metal	lead	7439-92-1	2.107	0.63	0.66	6308	6605
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			17	
	non noble metal	iron	7439-89-6	0.019	0.01		57	
	non noble metal	copper	7440-50-8	19.177	5.74	5.75	57416	57490
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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